

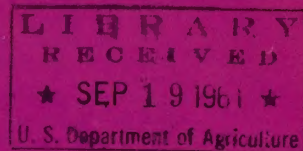
62

1961-1962
Wm. Kirch - orchids, ltd.



PHALAENOPSIS BARBARA KIRCH X SAN MARINO A.O.S.

presents



Dendrobium

Phalaenopsis

*Vanda and
Vandaceous*

Crosses

Dendrobium Species

A large polymorphic group of species and hybrids, all of Pacific origin. They make excellent plants for display, cut flower production, and in tropical regions as landscape material.

Hawaii has long been considered the "breeding ground" for much of the best to be found in modern Dendrobium Hybrids. We present this list with full confidence in affording you complete satisfaction with this wonderful group of orchids.

Dendrobium Species

We do not grow a large number species, as by and large, we feel hybrids are vastly superior. However, a few species are so very fine that we continue to grow a selected few. These we offer in this list.

All are easily grown. General requirements are decided periods of dormancy and growth. Plenty of heat, water and fertilizer during growth, keep cool and on the dry side during dormancy. 45° F., night temperature. Ample light at all times. Pot in Fir bark, Tree fern or Osmunda.

1C-403—Schuleri (Indonesia)—One of the best green—green brown species—large flowers—cane type. 1½", 3", 4"

1C-404—Gouldii var. Albiflorum (New Guinea)—White form of this excellent cane type. Good stud plant for heavy production. 3", 4"

1C-405—Aureum (Philippines)—A lovely lemon yellow—scented variety—pendulant—very free flowering. 1½", 2", 3"

1C-406—Nobile (India)—Of easiest possible culture. Rosy-pink flowers in 2-3 from the nodes. Rest dry and cool. Flowers in spring. 5"

1C-407—Nobile var. Virginalis—The pure white form. 5"

1C-408—Pierardii (Asia)—Spring—Light lavender, yellow lip—very free flowering. 3"

1C-409—Superbum (Philippines)—Pendulant, large rose colored flowers. Very fragrant—Spring. 5"

1C-410—Superbum var. Dearei—The lovely pure white form of the above. 5"

1C-411—Aggregatum var. majus (India)—Spring—dwarf habit, slender drooping sprays of beautiful orange flowers. Give virtually no water and a 40° F., night temperature from October to January. 4"

1C-412—Johnsoniae (New Guinea)—A rare species of the Latorea section—white with violet lip—large flowers. 3"

1C-413—Moschatum (India)—Salmon yellow, spring—slipper lip. Quite beautiful. 4"

1C-414—Uniflora (Philippines)—A very distinct botanical—beautiful foliage—single flowers near stem, cream and green. 4"

DENDROBIUM PHALAENOPSIS SECTION

These hybrids are basically of the Dendrobium Phalaenopsis type. Their flowering seasons run from early fall to late winter.

Culture

They start growth in late spring and grow through Summer, when the growth matures in early Fall. They flower as soon as growth is mature. During this growth cycle and until flowering is completed give plenty of water, heat, and fertilizer. The basic idea being to create as much growth as possible. After flowering give a complete rest and keep cool and dry. Repot in spring when growth starts. Pot in Osmunda, Tree fern or Fir bark.

These plants are light controllable for cut flowers. Growth initiates on long days with flower initiation on short days. Thus, extended light will start growth and shading after maturity will produce flowering.

This section is very diversified and we are breaking it up into several groups. Each one designates the general purpose for which the crosses were made.



DENDROBIUM LADY FAY VAR. ELLEN A.M.H.O.S.

Exhibition Types

These crosses were made to produce large flowers, perfection of shape, long sprays and rich, dark colors. If you wish plants for Show purposes this group is tops.

- | | |
|---|---------|
| 1C-415—American Beauty x Lady Fay Var. Ellen A.M.H.O.S. | 1½", 3" |
| 1C-416—Ellen Takiguchi x Lady Fay Var. Ellen A.M.H.O.S. | 1½", 3" |
| 1C-417—Karen Ono A.M.H.O.S. x Lady Fay var. Ellen A.M.H.O.S. | 1½", 3" |
| 1C-418—Lady Hamilton x Lady Fay var. Ellen A.M.H.O.S. | 1½", 3" |
| 1C-419—Lady Fay var. Flame x Lady Fay var. Ellen A.M.H.O.S. | 1½", 3" |
| 1C-420—Lady Fay var. Ellen A.M.H.O.S. x Self | 1½", 3" |
| 1C-421—Lady Fay var. Ellen A.M.H.O.S. x Agnes Cheok | 1½", 3" |
| 1C-422—Lady Hamilton var. Crimson Beauty x Lady Hamilton A.M.H.O.S. | 1½", 3" |
| 1C-423—American Beauty (Anouk var. Otake x Lady Hamilton A.M.H.O.S.) | 1½", 3" |
| 1C-424—Hawaiian Beauty (Lady Hamilton, Crimson Beauty x Phal. Giganteum) | 1½", 3" |
| 1C-425—Lady Fay (Lady Constance x Lady Hamilton) | 1½", 3" |
| 1C-426—Karen Ono x Agnes Cheok | 1½", 3" |
| 1C-427—Nawahine x Lady Fay var. Ellen A.M.H.O.S. | 1½", 3" |
| 1C-428—Lady Hay (Lady Fay x Lady Hamilton) | 1½", 2" |
| 1C-429—Lynn Takiguchi (Louis Bleriot x Lady Hamilton) | 3" |
| 1C-430—Full Moon (Louis Bleriot x Helen Fukumura) | 3", 4" |
| 1C-431—Dark Prince x Lady Hamilton | 4" |
| 1C-432—Top Hat ((Anouk x Phal. Schroderianum var. Ruby) | 3" |
| 1C-433—Dark Prince x Helen Fukumura | 4" |

Cut-Flower Types

These crosses do not have as round a shape as the Exhibition types but are prolific in flower production. For either cut flowers or display they are unrivaled. They also flower over a longer period and are not as seasonal as the Exhibition Types. Thus, their culture is easier. Basic season is early Fall to late Spring. They do not require a long dormant period. Pot in Fir bark, Tree fern or Osmunda. Grow in Cattleya house with 50°–55° F., night temperature. Ample light at all times. Fertilize when in growth. Water as often as they get dry.

- | | |
|--|------------|
| 1C-434—Sander's Crimson (Schroderianum x Taurinum). | 3", 4" |
| 1C-435—Kilohana x Phalaenopsis Pink—Fine pink form. | 3", 4" |
| 1C-436—Pauline x Patrick Kirch. | 3", 4" |
| 1C-437—Hawaii (Tokai x Schroderianum var. Ruby)—Darkest red purple. | 3", 4" |
| 1C-438—Lim Chong Min (Caesar x Phalaenopsis). | 3", 4" |
| 1C-439—Arquatum x Phalaenopsis. | 4" |
| 1C-440—Snowbird x Phalaenopsis Pink—Light pastel. | 3", 4" |
| 1C-441—Lady Lange x Patrick Kirch. | 3", 4" |
| 1C-442—Arquatum x Patrick Kirch. | 3" |
| 1C-443—Caesar (Stratiotes x Phalaenopsis). | 3", 4" |
| 1C-444—Patrick Kirch var. Perfection x Helen Fukumura. | 3" |
| 1C-445—Malihini x John Pritchard. | 3", 4" |
| 1C-446—Kilohana x Phalaenopsis var. Giant. | 3" |
| 1C-447—Pale Face (Lim Chong Min x Phalaenopsis). | 3" |
| 1C-448—Janelle Jay x Helen Fukumura. | 3" |
| 1C-449—Helen Fukumura x John Pritchard. | 3" |
| 1C-450—Lady Lange x John Pritchard. | 3" |
| 1C-451—Ling Suiking x Lady Hamilton. | 1½" |
| 1C-452—Ann x Agnes Cheok. | 1½" |
| 1C-453—Ann x Waikiki Beauty. | 1½", 2" |
| 1C-454—Ann x Shangri-La. | 2" |
| 1C-455—Broomfieldii x Lady Fay var. Ellen A.M.H.O.S. | 1½", 3" |
| 1C-456—Momi Cummins x Lady Fay var. Ellen A.M.H.O.S. | 1½", 3" |
| 1C-457—Norvell Gillespie x Karen Ono A.M.H.O.S. | 1½", 3" |
| 1C-458—Sharon Takiguchi x Lady Hamilton. | 1½", 3" |
| 1C-459—Sander's Crimson x Anouk. | 4" |
| 1C-460—Marguerite Cummins x Anouk. | 4" |
| 1C-461—Louis Bleriot var. Seri (Superbiens x Phalaenopsis). | 4", 5" |
| 1C-462—Norvell Gillespie x Phalaenopsis. | 4" |
| 1C-463—Rose marie x Anouk. | 4" |
| 1C-464—Liliha x Stratiotes. | 3", 4", 5" |
| 1C-465—S.B. Ooi (Anouk x Williamsianum). | 3", 4" |

WHITE DENDROBIUMS

A few years ago these were exceptionally rare. Today, we have solved the breeding problems so that we can offer them at modest prices. Culture as per Dendrobium Phalaenopsis section.

- | | |
|---|---------|
| 1C-466—Jacqueline Thomas var. Snow White x Phalaenopsis Mauna Kea. | 1½", 3" |
| 1C-467—Jacqueline Thomas var. White Bird x Phalaenopsis Schroderianum Alba. | 1½", 3" |
| 1C-468—Jacqueline Thomas var. Snow White x Phalaenopsis Alba Lyon's Strain. | 1½", 3" |
| 1C-469—Jacqueline Thomas Alba (Gouldii Albiflorum x Phalaenopsis Alba Lyon's). | 1½", 3" |
| 1C-470—Valley King A.M.H.O.S. x Phalaenopsis Alba. | 1½", 2" |
| 1C-471—Majoy Mooney x Phalaenopsis Alba. | 1½", 2" |
| 1C-472—Mildred Kazumura Alba x Phalaenopsis Alba. | 1½", 2" |
| 1C-473—Snowbird x Gouldii Albiflorum. | 3", 4" |
| 1C-474—Phalaenopsis var. Seafoam. | 3", 4" |

United States Price List for 1961-1962 Catalog Prepaid by Air Mail

Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price
1C-403	1 1/2"	\$ 1.50	1C-427	1 1/2"	\$ 1.50	1C-454	2"	\$ 2.50	1C-476	1 1/2"	\$ 1.50	1C-497	3"	\$ 4.50
	3"	5.00		3"	4.50					2"	2.50		4"	6.50
	4"	7.50								3"	4.50		5"	7.50
1C-404	3"	5.00	1C-428	1 1/2"	1.50	1C-455	1 1/2"	1.25	1C-477	1 1/2"	1.50	1C-498	4"	6.50
	4"	7.50		2"	3.00		3"	4.00		2"	2.50		4"	6.50
1C-405	1 1/2"	2.00	1C-429	3"	4.50	1C-456	1 1/2"	1.25	1C-478	1 1/2"	1.50	1C-500	4"	6.50
	2"	3.50	1C-430	3"	4.50		3"	4.00		2"	2.50			
	3"	5.00		4"	7.50	1C-457	1 1/2"	1.25	1C-479	1 1/2"	1.50	1C-501	3"	5.00
1C-406	5"	7.50	1C-431	4"	7.50		3"	4.00		2"	2.50		4"	7.50
1C-407	5"	10.00	1C-432	3"	4.50	1C-458	1 1/2"	1.25	1C-480	1 1/2"	1.50	1C-502	3"	5.00
			1C-433	4"	7.50		3"	4.00		2"	2.50		4"	7.50
1C-408	3"	4.00	1C-434	3"	4.00	1C-459	4"	6.50	1C-481	1 1/2"	1.50	1C-503	3"	5.00
1C-409	5"	7.50		4"	6.50	1C-460	4"	6.50		2"	2.50		4"	7.50
1C-410	5"	10.00	1C-435	3"	4.00	1C-461	4"	6.50	1C-482	1 1/2"	1.50	1C-504	2"	3.50
1C-411	4"	7.50		4"	6.50		5"	8.50		2"	2.50		3"	5.00
1C-412	3"	7.50	1C-436	3"	4.00	1C-462	4"	6.50	1C-483	1 1/2"	1.50		4"	7.50
1C-413	4"	5.00		4"	6.50	1C-463	4"	6.50		2"	2.50	1C-505	1 1/2"	2.00
1C-414	4"	8.50	1C-437	3"	4.00	1C-464	3"	4.00	1C-484	1 1/2"	1.50		2"	3.50
				4"	6.50		4"	6.50		2"	2.50		3"	5.00
1C-415	1 1/2"	1.50	1C-438	3"	4.00	1C-465	3"	4.00	1C-485	1 1/2"	1.50	1C-506	1 1/2"	2.00
	3"	4.50		4"	6.50		4"	6.50		2"	2.50		2"	3.50
1C-416	1 1/2"	1.50	1C-439	4"	6.50	1C-466	1 1/2"	2.00	1C-486	1 1/2"	1.50	1C-507	3"	5.00
	3"	4.50	1C-440	3"	4.00		3"	6.50		2"	2.50		4"	7.50
1C-417	1 1/2"	1.50		4"	6.50	1C-467	1 1/2"	2.00	1C-487	1 1/2"	1.50	1C-508	1 1/2"	2.00
	3"	4.50	1C-441	3"	4.00		3"	6.50		2"	2.50		2"	3.50
1C-418	1 1/2"	1.50		4"	6.50	1C-468	1 1/2"	2.00	1C-488	1 1/2"	1.50	1C-509	5"	10.00
	3"	4.50	1C-442	3"	4.00		3"	6.50	1C-489	1 1/2"	1.50	1C-510	1 1/2"	2.25
1C-419	1 1/2"	1.50	1C-443	3"	4.00	1C-469	1 1/2"	2.00		2"	2.50		3"	4.50
	3"	4.50		4"	6.50		3"	6.50	1C-490	3"	4.50	1C-511	1 1/2"	2.25
1C-420	1 1/2"	1.50	1C-444	3"	4.00	1C-470	1 1/2"	2.00		4"	6.50		2"	4.50
	3"	4.50	1C-445	3"	4.00		2"	3.50	1C-491	4"	6.50	1C-512	3"	7.50
1C-421	1 1/2"	1.50		4"	6.50	1C-471	1 1/2"	2.00	1C-492	3"	4.50		4"	12.50
	3"	4.50	1C-446	3"	4.00		2"	3.50		4"	6.50	1C-513	5"	12.50
1C-422	1 1/2"	1.50	1C-447	3"	4.00	1C-472	1 1/2"	2.00	1C-493	3"	4.50	1C-514	5"	12.50
	3"	4.50	1C-448	3"	4.00		2"	3.50		4"	6.50	1C-515	5"	15.00
1C-423	1 1/2"	1.50	1C-449	3"	4.00	1C-473	3"	6.50	1C-494	5"	7.50	1C-516	1 1/2"	2.25
	3"	4.50	1C-450	3"	4.00		4"	8.50		6"	8.50	1C-517	1 1/2"	2.25
1C-424	1 1/2"	1.50				1C-474	3"	6.50	1C-495	3"	4.50	1C-518	1 1/2"	2.25
	3"	4.50	1C-451	1 1/2"	1.25		4"	8.50		4"	6.50		2"	4.50
1C-425	1 1/2"	1.50	1C-452	1 1/2"	1.25	1C-475	1 1/2"	1.50	1C-496	3"	4.50	1C-519	1 1/2"	2.25
	3"	4.50	1C-453	1 1/2"	1.25		2"	2.50		4"	6.50		2"	4.50
1C-426	1 1/2"	1.50		2"	2.50		3"	4.50		5"	7.50	1C-520	1 1/2"	2.25
	3"	4.50											2"	4.50

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Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price
1C-521	1 1/2" 2"	\$ 2.25 4.50	1C-549	1 1/2"	\$ 2.25	1C-574	1 1/2" 2" 3" 4" 5" 6"	\$ 2.00 3.50 5.00 7.50 10.00 12.50	1C-591	3" 4"	\$ 7.50 10.00	1C-618	7"	\$ 12.50
1C-522	2"	4.50	1C-550	1 1/2" 2" 3" 4"	2.25 4.50 7.50 10.00				1C-592	1 1/2" 2"	2.50 5.00	1C-619	4"	7.50
1C-523	1 1/2" 2"	2.25 4.50	1C-551	1 1/2"	2.25	1C-575	4" 5" 6"	7.50 10.00 12.50	1C-593	7"	12.50	1C-620	7"	12.50
1C-524	2"	4.50	1C-552	1 1/2" 2" 3"	2.25 4.50 7.50	1C-576	4" 5" 6"	7.50 10.00 12.50	1C-594	4"	10.00	1C-621	3" 4"	5.00 7.50
1C-525	1 1/2" 2"	2.25 4.50	1C-553	1 1/2" 2"	2.25 4.50	1C-577	3" 4" 5" 6"	5.00 7.50 10.00 12.50	1C-595	1 1/2"	2.50	1C-622	1 1/2" 2"	2.00 3.50
1C-526	1 1/2"	2.25	1C-554	1 1/2" 2"	2.25 4.50	1C-578	3" 4" 5" 6"	5.00 7.50 10.00 12.50	1C-596	7"	12.50	1C-623	2" 3"	3.50 5.00
1C-527	1 1/2"	2.25	1C-555	4"	10.00	1C-579	3" 4" 5" 6"	5.00 7.50 10.00 12.50	1C-597	1 1/2"	2.50	1C-624	7"	12.50
1C-528	1 1/2"	2.25	1C-556	4"	10.00	1C-580	1 1/2"	2.00	1C-598	2" 3"	5.00 7.50	1C-625	2"	3.50
1C-529	1 1/2"	2.25	1C-557	1 1/2"	2.25	1C-581	1 1/2"	2.00	1C-599	1 1/2"	2.50	1C-626	6"	12.50
1C-530	2"	2.50	1C-558	1 1/2" 2"	2.25 4.50	1C-582	1 1/2" 2"	2.00 3.50	1C-600	1 1/2"	2.50	1C-627	7"	12.50
1C-531	1 1/2" 2"	1.50 2.50	1C-559	1 1/2" 4"	3.25 25.00	1C-583	1 1/2" 2"	2.00 3.50	1C-601	1 1/2"	2.00	1C-628	2"	3.50
1C-532	1 1/2" 2"	1.50 2.50	1C-560	2"	6.50	1C-584	1 1/2"	2.50	1C-602	1 1/2" 2"	2.00 3.50	1C-629	2"	3.50
1C-533	1 1/2"	1.50	1C-561	1 1/2"	3.25	1C-585	1 1/2"	2.50	1C-603	1 1/2"	2.00	1C-630	1 1/2"	2.00
1C-534	3"	5.00	1C-562	1 1/2"	2.25	1C-586	1 1/2"	2.50	1C-604	12"TC	10.00	1C-631	2" 3"	3.50 5.00
1C-535	3"	5.00	1C-563	1 1/2"	2.25	1C-587	1 1/2" 2" 3"	2.50 5.00 7.50	1C-605	18"TC	5.00	1C-632	3"	5.00
1C-536	3"	5.00	1C-564	1 1/2"	2.00	1C-588	1 1/2" 2"	2.50 5.00	1C-606	3" 4"	7.50 10.00	1C-633	1 1/2"	2.00
1C-537	3"	5.00	1C-565	1 1/2"	2.00	1C-589	1 1/2" 7"	2.50 12.50	1C-607	18"TC	2.50	1C-634	6"	12.50
1C-538	3"	5.00	1C-566	1 1/2"	2.00	1C-590	1 1/2" 2" 3" 4" 5" 6" 7"	2.00 3.50 5.00 7.50 10.00 12.50 15.00	1C-608	18"TC	2.50	1C-635	18"TC	10.00
1C-539	1 1/2" 2" 3"	2.00 4.00 6.50	1C-567	1 1/2" 2"	2.00 3.50				1C-609	18"TC per doz.	1.00 6.00	1C-636	18"TC	10.00
1C-540	1 1/2"	2.00	1C-568	1 1/2"	2.00				1C-610	18"TC	2.50	1C-637	3"	5.00
1C-541	1 1/2"	2.00	1C-569	1 1/2"	2.00				1C-611	4"	10.00	1C-638	3"	5.00
1C-542	1 1/2"	2.25	1C-570	1 1/2" 2"	2.00 3.50				1C-612	12"TC	12.50	1C-639	fs	2.50
1C-543	1 1/2"	2.25	1C-571	1 1/2"	2.00				1C-613	18"TC	5.00	1C-640	fs	3.00
1C-544	1 1/2"	2.25	1C-572	1 1/2"	2.00				1C-614	7"	12.50			
1C-545	1 1/2"	2.25	1C-573	4" 5" 6"	7.50 10.00 12.50				1C-615	7"	12.50			
1C-546	1 1/2" 2"	2.25 4.50							1C-616	1 1/2" 2" 3"	2.00 3.50 5.00			
1C-547	1 1/2"	2.25							1C-617	6"	12.50			
1C-548	1 1/2"	2.25												

DENDROBIUM

CANE TYPE DENDROBIUM HYBRIDS

These have little Phalaenopsis bloodlines in them. They flower basically during Spring and Summer. The opposite season of the former groups. Plants are robust growers and the flowers are of exceptional texture and lasting quality. Excellent for garden plants in tropical regions. Grow warm with lots of light. They do not have a pronounced dormant season.

Our breeding has been very selective in this group for the past few years. We believe the quality of these hybrids to be unsurpassed.

- 1C-475—Lady Hamilton x Blue Bells—Dark lavender. 1½", 2", 3"
- 1C-476—Jacqueline Thomas (Phalaenopsis x Gouldii)—pastel pink, excellent cut flower, very heavy production. 1½", 2", 3"
- 1C-477—Schuleri x Ostrinoglossum—Bronze shades. 1½", 2"
- 1C-478—May Neal x Ostrinoglossum—Yellow to gold. 1½", 2"
- 1C-479—Joy Jay x Ostrinoglossum—Lavender bronze. 1½", 2"
- 1C-480—Lady Lange x Ostrinoglossum—Lavender. 1½", 2"
- 1C-481—Hawaiian Beauty x Ostrinoglossum—Very dark purple. 1½", 2"
- 1C-482—Lady Hamilton x Ostrinoglossum—Lavender bronze. 1½", 2"
- 1C-483—Rose Chong x Ostrinoglossum—Bronze shades. 1½", 2"
- 1C-484—Alice Chong (May Neal x Stratiotes)—Yellow to green shades, purple lip. 1½", 2"
- 1C-485—Cartwheel-Schuleri x Stratiotes—Bronze. 1½", 2"
- 1C-486—Agnes Ann-Gouldii x Stratiotes—Cream to yellow. 1½", 2"
- 1C-487—Mary Towse x Stratiotes—Yellow to Bronze. 1½", 2"
- 1C-488—Arquatum x Williamsianum—Dark lavender. 1½"
- 1C-489—Ostrinoglossum x Phalaenopsis Alba—Copper shades. 1½", 2"
- 1C-490—Mildred Kazumura x Odoardii—Yellow Tones. 3", 4"
- 1C-491—May Neal (Schuleri x Hawaii)—Green to yellow. 4"
- 1C-492—Snowbird x Aeries—Lavender bronze. 3", 4"
- 1C-493—Aeries "green gold" x Phalaenopsis Alba—pastel pinks. 3", 4"
- 1C-494—Alice L. Hong (100th Battalion x Lady Constance) Rose pink. 5", 6"
- 1C-495—Momi Cummins (Gouldii x Hula Girl)—Bronze shades. 3", 4", 5"
- 1C-496—Vineyard Junior (Hula Girl x 100th Battalion)—Bronze lavender. 3", 4", 5"
- 1C-497—Claire Nishimura (Hula Girl x 442nd Infantry)—Bronze shades. 3", 4", 5"
- 1C-498—Caesar White x Pseudo—Bronze lavender. 4"
- 1C-499—Veratrifolium x Schuleri—Green to lime. 4"
- 1C-500—Thomas Hong x Schuleri—Dark green. 4"



DENDROBIUM SUPERBUM VAR. DEAREI

DENDROBIUM MACROPHYLLUM SECTION

What we call the New Guinea type. A wonderful group of pot plants for Exhibition purposes with very long lasting flowers. Flowers last on the plants for two to three months. Culture the same as for a Cattleya, but as much light as possible.

- 1C-501—New Guinea x Phalaenopsis Alba var. Wood-lawn—Cream to white. 3", 4"
- 1C-502—Midnight x Lady Hamilton—Very dark purple. 3", 4"
- 1C-503—New Guinea x Anouk—Lavender. 3", 4"
- 1C-504—New Guinea x Johnsoniae—White, purple lip. 2", 3", 4"
- 1C-505—Caesar White x Johnsoniae—White. 1½", 2", 3"
- 1C-506—Johnsoniae x Jobii—White. 1½", 2"
- 1C-507—Johnsoniae x Phalaenopsis Mauna Kea—White. 2", 3", 4"
- 1C-508—Johnsoniae x Spectabilis—Unusual bronze colors. 1½", 2"
- 1C-509—Marguerite Ashford (Macrophyllum x Stratiotes)—Cream, purple lips. 5"

DENDROBIUM NOBILE SECTION

Spring flowering—A truly beautiful type of Dendrobium. Growing season is Summer to Fall. After growth matures, rest and keep cool and dry. Increase temperature in early spring when flower buds will form. Pot in Fir bark, Tree fern or Osmunda.

- 1C-510—Fiona (Montrose F.C.C.R.H.S. x Thwaitesii)—Dark yellow. 1½", 2", 3"
- 1C-511—Nestor x primulinum—Pastel pink, yellow lip. 1½", 2"
- 1C-512—Merlin-Armstrongae A.M.R.H.S. x Winifred Fortesque A.M.R.H.S.—Fine lavender. 3", 4"
- 1C-513—Plumptonense (Cybele x Nobile)—Large lavender. 5"
- 1C-514—Ainsworthii (Aureum x Nobile)—Dark lavender. 5"
- 1C-515—Forty-Niner (Virginal x Evening Star)—Pure white, lovely. 5"



DENDROBIUM FORTY NINER

PHALAEOPSIS

PHALAEOPSIS

One of the finest Spray Orchids known to man—both for display and pleasure—and commercially as a cut flower.

Our white strains are bred for perfection of shape, large size, long sprays. The pinks are bred for intensity of color and size. The novelties are the new color breaks. These are all embryonically bred and some wonderful new color combinations are appearing.

This year we also add to this section some of the new embryonic cultured intergeneric crosses. Due to their embryonic start they show a surprising resemblance to Phalaenopsis in growth. Our new introduction of Renanthopsis Starfire is without a question one of the most important color breaks we have seen in Phalaenopsis breeding to date. No doubt many of the other intergeneric and novelty crosses offered here will in the future greatly expand this horizon.

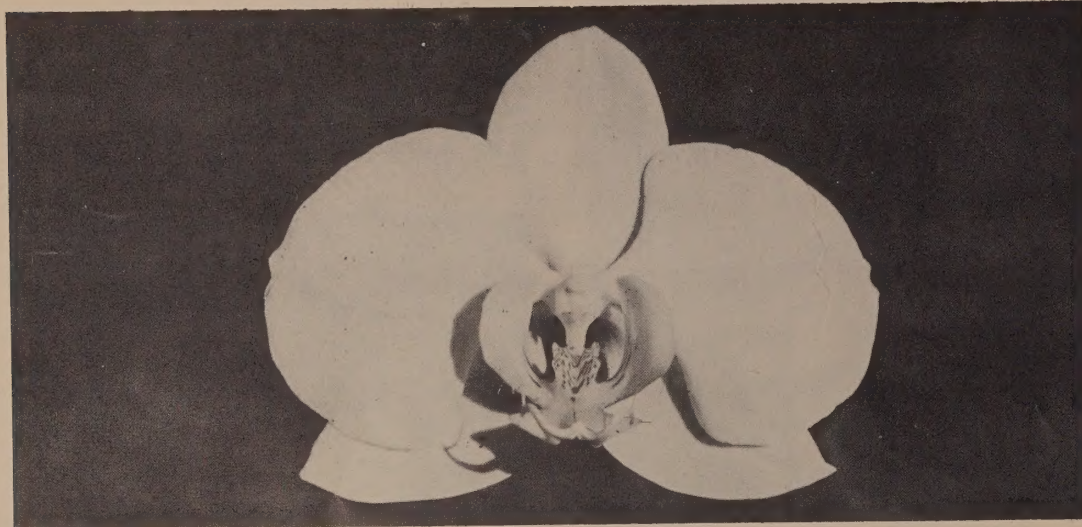
Culture

These orchids like heat and humidity. Grow with a minimum night temperature of 60°-65° F. Never let the plants get dry. They also are heavy feeders and should be fertilized regularly. They are not tolerant of strong light and require at least 50% shade. Normal flowering season is Winter to Spring—but they can be brought into flower at any season by light control. They initiate flowering on short days. Pot in Fir bark, Tree fern or Osmunda.



PHALAEOPSIS JUANITA

PHALAEOPSIS DORIS



White, Exhibition Types

1C-516—Doris x Barbara Kirch-Venustus.	1 1/2"
1C-517—R.H. Montgomery x Fairway Park.	1 1/2"
1C-518—Shirley Temple x Chief Tucker-Grace Palm.	1 1/2", 2"
1C-519—Vallemar x Dolores.	1 1/2", 2"
1C-520—Dos Pueblos var. Lyndell H.C.C.H.O.S. x Grace Palm.	1 1/2", 2"
1C-521—Vallemar x Tommy Tucker.	1 1/2", 2"
1C-522—Doris x Grace Palm.	2"
1C-523—Grace Palm x Juanita.	1 1/2", 2"
1C-524—Doris x Dos Pueblos var. Lyndell H.C.C.A.O.S.	2"
1C-525—San Marino var. Florence x Dos Pueblos var. Lyndell H.C.C.H.O.S.	1 1/2", 2"
1C-526—Barbara Kirch-San Marino H.C.C.A.O.S. x Self	1 1/2"
1C-527—Dos Pueblos x Juanita.	1 1/2"
1C-528—Benita x Barbara Kirch.	1 1/2"
1C-529—Barbara Kirch x Juanita.	1 1/2"

White, Cut Flower Types

Basically, good shapes but intensification on breeding has been to produce large flowers, long spikes, heavy production, and flowers that last well when cut.

1C-530—Barbara Kirch-San Marino x Dolores.	2"
1C-531—Vallemar x Chief Tucker-Grace Palm.	1 1/2", 2"
1C-532—Doris-La Canada x San Marino.	1 1/2", 2"
1C-533—P.44-J.L. Kingsbury-Doris x Vallemar.	1 1/2"
1C-534—Winged Victory-Summit Beauty x Pasadena.	3"
1C-535—Margaret Degenhardt x Margaret Bean.	3"
1C-536—Dr. Eversole x Margaret Bean.	3"
1C-537—Casablanca x Margaret Bean.	3"
1C-538—Hollywood x Margaret Bean.	3"

Pink Forms

1C-539—Akaia x Pink Sunset.	1 1/2", 2", 3"
1C-540—Pink Dawn x Marmouset.	1 1/2"
1C-541—Pink Chiffon x Pink Dawn.	1 1/2"

Red Lip Types

These all have as an ancestral parent the species, rosea. They make a striking combination. Flower season is extended. Individual flower size smaller than the large whites. A fine section.

1C-542—Goleta x Artemis.	1 1/2"
1C-543—Sally Lowrey x Grace Palm.	1 1/2"
1C-544—Sally Lowrey x Dos Pueblos.	1 1/2"
1C-545—R.H. Montgomery x Ruby Lips.	1 1/2"
1C-546—Sally Lowrey x Doris.	1 1/2", 2"
1C-547—San Marino x Rosea.	1 1/2"
1C-548—Sally Lowrey x Dos Pueblos var. Lyndell H.C.C.A.O.S.	1 1/2"
1C-549—Barbara Kirch x Rosea.	1 1/2"
1C-550—Artemis (rosea x Amabilis Lily Koster).	1 1/2", 2", 3", 4"

PHALAENOPSIS

Novelty Types

These are the rarer, new types made to produce new color combinations. By and large, they are difficult crosses to make and the number of seedlings are limited. Culture the same as for other groups.

1C-551—Amboinense x Pink Vision—Pink, barred red-brown. 1½"

1C-552—Nuel N. Songer (Doris 4n x Luddemaniana var. Boxallii)—(A possible yellow form of this rare hybrid). 1½", 2", 3"

1C-553—Cornu-Cervi x Karen—Yellow spotted. 1½", 2"

1C-554—Sanderiana x Violacea—Pink with purple mask. 1½", 2"

1C-555—Pink Vogue (Diamond Head x Luddemaniana)—A fine dark pink, lightly spotted. 4"

1C-556—Hermoine x Pink Wave—Dark pink. 4"

1C-557—Luddemaniana var. purpurea x rosea—Very dark pink, cute novelty. 1½"

rosea—Very dark pink, cute novelty. 1½"

1C-558—Rosa Kirsch x Luddemaniana—Pink spotted. 1½", 2"

Intergeneric Phalaenopsis Novelties

1C-559—Renanthopsis Starfire (R.H. Montgomery 4n x R. Storiei)—A marvelous new hybrid—salmon to copper pink. 1½", 4"

1C-560—Aurora (R. Storiei x Phalaenopsis Cascade)—Similar to above, more Golden overtone. 2"

1C-561—Ren. Storiei x Phalaenopsis Doris 4n—unflowered, but should be equal to the above two. 1½"

Aerides x Phalaenopsis

1C-562—A. Jarkianum x Phalaenopsis Schilleriana—Very dark pink color. 1½"

Vanda x Phalaenopsis

1C-563—V. Honolulu x Phalaenopsis Hanalei—Dark pink. 1½"



PHALAENOPSIS NUEL N. SONGER



RENANTHOPSIS STARFIRE VAR. PEACH GLOW

VANDA AND VANDACEOUS HYBRIDS

To round out the tropical spray orchids this large subsection is offered to you. In it are some of the most spectacular orchids to be found anywhere in the world. They are quite varied and we shall attempt to group them in such a way that you can fully understand them and their cultural requirements.

Strap-Leaf Vandas

A wonderful group that can either be grown in temperate zone greenhouses, or as garden plants in the tropics. They are ideal for display or cut flower production.

Culture

Vandas like air, light and water. They are true epiphytes. Most growers in temperate zones grow them in too hot a temperature with not enough air circulation. Under such conditions plants become long and lean and do not produce flowers.

Grow in a well ventilated house, night temperature at 50°-55° F., water as often as they get dry—Pot in Osmunda, Fir bark or Tree fern. Fertilize regularly. They require as much light as you can give them without burning the foliage.

- 1C-564—Ernest Fujinaga x Sanderiana var. Terry
A.M.H.O.S.—Yellow to tan. 1½"
- 1C-565—Bill Sutton x Onomea—Dark pink. 1½"
- 1C-566—Mabelmae Kamahele (Ohuohu x Sanderiana)—
Sanderiana type. 1½"
- 1C-567—Oscar Kirsch x Sanderiana—Dark pink. 1½", 2"
- 1C-568—Oscar Kirsch x Mabelmae Kamahele—Deep pink. 1½"
- 1C-569—Jennie Hashimoto x self—Sanderiana type. 1½"
- 1C-570—Rothschildiana x Rothschildiana—
Pink to blue. 1½", 2"
- 1C-571—Rothschildiana x Mabelmae Kamahele—Mauve
to blue. 1½"
- 1C-572—Manoa x Jennie Hashimoto—Dark pink. 1½"
- 1C-573—Rothschildiana (Coerulea x Sanderiana)—
Shades of blue. 4", 5", 6"
- 1C-574—Sanderiana ((Species))—The King of all. Brown-
purple and white. 1½", 2", 3", 4", 5", 6"
- 1C-575—Manila (Luzonica x Sanderiana)—Light pink. 4", 5", 6"
- 1C-576—Kilohana (Manila x Rothschildiana)—Mauve
to blue. 4", 5", 6"
- 1C-577—Ohuohu (C.S. Fisher x Sanderiana)—Sanderiana
type. 3", 4", 5", 6"
- 1C-578—Honolulu (Frank Scudder x Sanderiana). 3", 4", 5", 6"
- 1C-579—Bill Sutton (Manila x Sanderiana)—
Dark pink. 3", 4", 5", 6"
- 1C-580—Ellen Noa x Helen Paoa var. Moanalua 4n—
Yellow to tan. 1½"
- 1C-581—Onomea x Mary Foster 4n—Bronze to red
brown. 1½"
- 1C-582—Sanderiana x Waipuna var. Kodama A.M.H.O.S.
—Cream to tan. 1½", 2"
- 1C-583—Waipuna var. Kodama A.M.H.O.S. x Onomea
var. Kon A.M.H.O.S.—Pink spotted. 1½", 2"



VANDA WAIPUNA VAR. KODAMA A.M.A.O.S. A.M.H.O.S.

VANDA



VANDA SANDERIANA A.M.H.O.S.

SEMI-TERETE X STRAP-LEAF TYPES

Excellent companion plants to the Strap-Leaf group. Give just a little more light if possible. Culture except for light the same as for strap-leaf type.

- 1C-584—Emma van Deventer 4n x Eisenhower—Beige to bronze pink 1½"
- 1C-585—Sanderiana x Quinn—Dark pink. 1½"
- 1C-586—Josephine van Brero 4n x Eisenhower—Bronze. colors 1½"
- 1C-587—Pastel x Mabelmae Kamahale—Dark pink. 1½", 2", 3"
- 1C-588—Emma van Deventer 4n x Jennie Hashimoto—Dark pink 1½", 2"
- 1C-589—Emma van Deventer 4n x Ohuohu—Pink and brown. 1½", 7"
- 1C-590—Nellie Morley (Emm van Deventer 4n x Sanderiana) 1½", 2", 3", 4", 5", 6", 7"
- 1C-591—Emma van Deventer 4n x Mabelmae Kamahale—Dark pink. 3", 4"
- 1C-592—Emma van Deventer 4n x Helen Paoa 4n—Pink, spotted. 1½", 2"
- 1C-593—Emma van Deventer 4n x Caroline Lee—Blue to pink. 7"
- 1C-594—Josephine van Brero 4n x Sanderiana var. Terry A.M.H.O.S.—Shades of copper. 4"
- 1C-595—Tan Chay Yan x Sanderiana var. Allen A.M.H.O.S.—Copper to bronze. 1½"
- 1C-596—Merv. L. Velthius x Tatzeri—Pink shades. 7"
- 1C-597—Nellie Morley 4n x Sanderiana var. Allen A.M.H.O.S. 1½"
- 1C-598—Lindamere var. Red Lips x Sanderiana var Allen A.M.H.O.S.—Pink, red lip. 2", 3"
- 1C-599—Colorsan x Mary Foster 4n—Copper tones. 1½"
- 1C-600—Tan Chay Yan x Lynn Ohta—Yellow shades. 1½"



VANDA ROTHSCILDIANA

SEMI-TERETE AND TERETE VANDAS

True tropical orchids. Plant in pots or beds in full sun outdoors in regions where the temperature at night does not fall below 50° F. Water daily and fertilize heavily. These are not suitable subjects for glass house culture as light requirements under glass are not sufficient to allow free flowering qualities.

- 1C-601—*Waikiki x Teres Andersonii—Pale pink. 1½"
- 1C-602—*Mabelmae Kamahale x Teres Andersonii—Medium pink. 1½", 2"
- 1C-603—*Manoa x Teres Andersonii—Dark pink. 1½"
- *Note: The above three crosses made with *V. Teres Andersonii* could provide breeding stock for the future. It is the grandparent that produced the world famous *V. Nellie Morley*.
- 1C-604—*Spatulata* (species)—A very fine form of intense yellow, raised from seed of a selected strain.
- 1C-605—Teres var. *Candida*—Pure white. Top Cutting 12"
- 1C-606—Teres *Candida* var. *Superba* x Self—The finest form of this pure white Vanda selfed. 3", 4"
- 1C-607—Teres var. *Andersonii*—Dark pink, bright yellow throat. Top Cutting 18"
- 1C-608—Teres var. *Gigantea*—A large pastel form, very fine. Top Cutting 18"
- 1C-609—V. Agnes Joaquim (Teres x Hookeriana). Top Cutting 18"
per dozen
- 1C-610—V. Agnes Joaquim polyploid forms—These are without a doubt the finest forms of *terete Vandas* in existence. Size of flower is twice that of the normal diploid form, texture is very heavy, excellent for cut flower production. Top Cutting 18"
- 1C-611—Ellen Noa 4n x Teres *Candida*—Cream to white, large size. 4"
- 1C-612—Colorful var. *Perfection* (Insignis x Agnes Joaquim)—Very dark purple, excellent shape. Top Cutting 12"
- 1C-613—Princess Elizabeth (Hookeriana x Sanderiana)—Dark pink, large size. Top Cutting 18"

VANDA and VANDACEOUS

VANDACEOUS HYBRIDS

All of the breeding in these sections has been done to create diversity and companion plants to the collector of unusual Vanda hybrids. All are compatible to Vanda culture and quite easy to accommodate in the average collection.

Culture

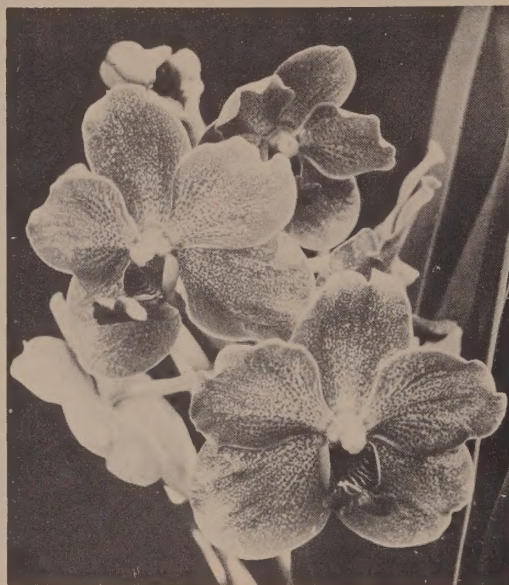
See Strap Leaf Vanda section.

- 1C-614—V. Trisher x *Vandopsis gigantea*—Red brown, Medium size plant. 7"
- 1C-615—*Opsisanda Juliet Kimball* (*Vandopsis gigantea* x *V. Sanderiana*)—Yellow to cream. 7"
- 1C-616—V. *Sanderiana* x *Aerides Crassifolium*—Shades of pink. 1½", 2", 3"
- 1C-617—*Aeridovanda Dainty* (*V. Rothschildiana* x *A. Odoratum*)—Shades of blue. 6"
- 1C-618—AV. *Fragrans* x *V. Sanderiana*—Tan, overlaid pink. 7"
- 1C-619—V. *Afterglow* x *Renanopsis Lena Rowold*—Various shades of Red. 4"
- 1C-620—*Vandopsis lissocoiloides* x *Renanopsis Lena Rowold*—Orange Red, large plant. 7"
- 1C-621—*Arachnopsis Eric Holtum* x *V. Dearei*—Clear yellow. 3", 4"
- 1C-622—*Arachnopsis Eric Holtum* x *V. Sanderiana*—Pink to beige. 1½", 2"
- 1C-623—*Aerides Odoratum* x *V. Charlesworthii*—Blue. 2", 3"
- 1C-624—*Arachnis Maggie Oei* x *V. Ellen Noa*—Dark yellow. 7"
- 1C-625—*Renanthera Histronica* x *Monachica*—Light orange 2"
- 1C-626—*Renanthera Brookie Chandler* (*Monachica* x *Storiei*)—Blood red. 6"
- 1C-627—*Aranthera Red Jewell* (*A. Lawrenciae* x *R. Brookie Chandler*)—Red, long spikes. 7"
- 1C-628—*Neofinitia falcata* x *Saccolabium Curvifolium*—Dwarf plant, pink. 2"
- 1C-629—*Neofinitia falcata* x *Ascentrum Ampulaceum*—Violet purple, dwarf habit. 2"
- 1C-630—V. *Coerulescens* x *Saccolabium curvifolium*—Blue, dwarf plant. 1½"
- 1C-631—V. *Kapoho* x *Saccolabium Curvifolium*—Pink to mauve, dwarf plant. 2", 3"
- 1C-632—V. *Merrillii* x *Saccolabium Curvifolium*—Dark red, dwarf. 3"
- 1C-633—*Renanthera Storiei* x *Rhyncostylis Coelestis*—Royal purple, dwarf. 1½"



V. BILL SUTTON A.M.H.O.S.

VANDA NELLIE MORLEY



UNUSUAL VANDACEOUS SPECIES

- 1C-634—*Arachnis Flos Aeries*—Red-brown scorpion orchid. 6"
- 1C-635—*Arachnis Moschifera*—Green, chocolate spots. Top Cutting 18"
- 1C-636—*Arachnis Moschifera* var. *Insignis*—Black purple. Top Cutting 18"
- 1C-637—*Neofinitia falcata*—Dwarf plant, white flowers. 3"
- 1C-638—*Ascoglossum Calopetrum*—Fuschia color, branched spikes. 3"

HAWAIIAN ANTHURIUM HYBRIDS

Excellent subject to grow along with orchids. In tropical regions they make wonderful garden plants. Flowers last an exceptionally long time as cut flowers. We cannot ship to California, Louisiana and Arizona.

Culture

They require 50% shade—foliage and flowers burn in strong light. Keep moist at all times and water heavily. Humidity should never be below 70%. Temperature not less than 60 degrees at night. Pot in any good organic compost as you would a soil plant. Fertilize frequently. They are heavy feeders. Spray regularly with DDT to control thrips which cause white streaks in the flowers.

1C-639—*Andreanum, Hybrids*. These are the large flowers, you see in the florist's window. They make wonderful cut flowers. All sizes offered are flowering size. Colors: Blood Red, pink, orange and red. Flowering size 1C-640—*Andeanum, Pure White*. Quite rare and much desired. Flowering size

VANDA and VANDACEOUS



VANDA MABELMAE KAMAHELE



NEOFINITIA FALCATA



OPSISANDA JULIET KIMBALL



RHYNCOSTYLIS COELESTIS



PHALAENOPSIS NUEL N. SONGER

2 SEEDLINGS FIRST FLOWERING

JOIN OUR ANTICIPATION CLUB . . .

"KEIKIS O HAWAII"

(BABIES OF HAWAII)

Each month a bundle of joy will be flown to you by air from Hawaii, with the stork's blessings. You may remit monthly, or be billed automatically. Prices include all costs delivered to your door.

PLAN A:

Three new seedlings of a different genera each month. This, over the period of a year will give you a most rounded collection of different orchids. Truly a way to build an unusual collection for the future. Prices are based on size of plants.

1½" pot size . . .	Three per month at \$ 4.00 per month
2" pot size . . .	Three per month at \$ 6.50 per month
3" pot size . . .	Three per month at \$10.00 per month
4" pot size . . .	Three per month at \$15.00 per month

Over the year it will include Three each of all the popular genera we grow such as Vanda, Renanthera, Dendrobium, Phalaenopsis, Botanical Novelties, Cattleyas, Oncidiums, Miltonias, etc.

PLAN B.

Limited to Cattleya and Allied Genera only. Many people prefer only Cattleyas and their close allies. Here we will ship only plants in this group. Three plants each month. Prices based on size of plants.

3 . . . 1½" pot size plants each month for \$ 5.00 per month
3 . . . 2" pot size plants each month for \$ 7.00 per month
3 . . . 3" pot size plants each month for \$10.00 per month
3 . . . 4" pot size plants each month for \$17.50 per month

It will include a wide assortment of types and colors with varying seasons. A way to build an exhibition collection for the future.

PLAN C.

Limited to Spray type Orchids **only**. Many people already have well rounded collections of Cattleyas. Hence what they want is to build a collection devoted to the more unusual orchids to give spice to the Cattleyas. Prices based on size of plants.

3 . . . 1½" pot size plants each month for \$ 4.00 per month
3 . . . 2" pot size plants each month for \$ 6.50 per month
3 . . . 3" pot size plants each month for \$10.00 per month
3 . . . 4" pot size plants each month for \$15.00 per month

Have You Tried Our

ORCHID PLANT-A-MONTH PLAN?

*Get Prize Orchid Plants, personally
selected for you by Wm. Kirch,
at special low prices!*

We've hit upon an easy, low cost way for you to start or add to your collection of prize orchid plants. We call it the Kirch Orchid Plant A Month Plan, and this is how it works. You decide how much you want to spend each month—\$7.50, \$10.00 or \$15.00, including air shipment to the United States (Foreign orders—F.O.B. Honolulu)—and leave the rest to us. We'll carefully select choice hybrid Dendrobiums, Vandas, Cattleyas, Phalaenopsis and Botanicals. A different type and color each month . . . and ship it to you in bud, ready to flower shortly after you receive it. By ordering an orchid plant a month for a year, you'll not only accumulate a good selection of colors and variety but also you'll have an orchid plant in bloom every month of the next year.

Please advise whether you prefer to remit every month when you place your order or have us ship and bill you automatically each month!

*Take Advantage of Our Service . . . Another Exclusive,
Guaranteed Service*

Wm. **Kirch** - orchids, ltd.

732 Kapahulu Avenue
Honolulu, Hawaii

ORCHIDS -- Direct from Hawaii -- *nature's greenhouse*

In this, our eighth catalogue, we have tried to list orchids in a clear and culturally valuable manner.

Except where otherwise specified, figures preceding price quotations are pot sizes. The term "log" means a plant growing on a Hawaiian tree fern section.

We try to ship within three days after receipt of any order. Many customers are amazed that an order placed with us is often serviced faster than one placed with a nurseryman nearby. We deliver plants safely to any part of the world with Guaranteed Satisfaction on a money back policy.

INSTRUCTIONS FOR ORDERING

TERMS—Cash with order, no C.O.D.

DISCOUNTS—We offer quantity discounts. Orders totaling \$99.00 or less are sold at retail list as quoted. Larger orders discounted as follows: \$100.00 to \$249.00 @ 10%; \$250.00 to \$499.00 @ 15%; \$500.00 to \$749.00 @ 20%; \$750.00 to \$999.00 @ 25%; over \$1000.00 @ 33⅓%. Discounts apply only to our catalogue stock, and do not apply to special quotations.

SHIPPING—Plants shipped out of pots. Advise if we may substitute size and variety when out of stock. No packing charges.

ORDERING—List the plant name and number. No import permits required for entry into the United States. Foreign countries, check your requirements.

REMEMBER—We Guarantee Satisfaction. All plants are offered subject to prior sale. Wm. Kirch—Orchids Ltd., in no way guarantees crops from these plants as they go beyond our control. In the event of a claim, our liability is limited to purchase price. This list cancels all previous quotations.

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